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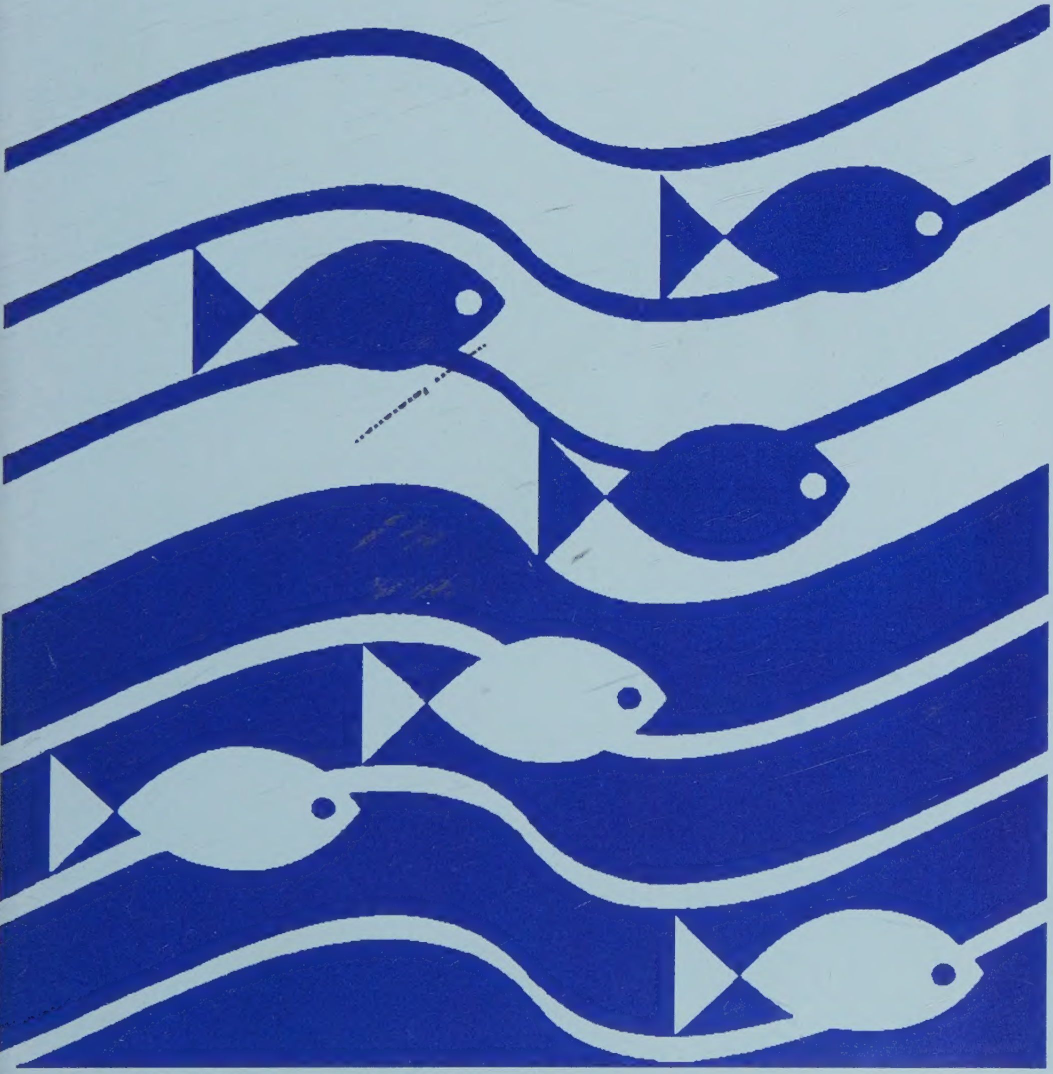

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Fisheries Review is intended to furnish fishery biologists with abstracts of current literature in sport, fishery research, and management.

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[Freshwater Fish. Res. Cent., Wuxi, China]

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[Natl. Fish. Res. & Dev. Lab., U.S. Fish & Wildl. Serv., Rural Delivery 4, Box 63, Wellsboro, PA 16901] *Salvelinus namaycush.*

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[U.S. Fish & Wildl. Serv., Tunison Lab. Fish Nutr., 3075 Gracie Rd., Cortland, NY 13045-9357] *Salmo salar.*

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[Wester Balrobbie, Killiecrankie, Perthshire PH16 5LJ, Scotland]

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[Hokkaido Fish Hatchery, 3-373 Kitakashiwagi, Eniwa 061-14, Japan] *Oncorhynchus masou.*

94-002302 Surtida, M. B., editor. MANGROVE SNAPPER SPAWNS IN CAPTIVITY AT AQD. *SEAFDEC Asian Aquacult.* 14(3):1. 1992. FR 39(3) [SEAFDEC/AQD, P.O. Box 256, 5000 Iloilo City, Philippines] *Lutjanus argentimaculatus.*

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Oncorhynchus mykiss and *Salmo salar.*

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[P.O. Box 121, Petitcodiac, NB, Canada E0A 2H0]

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[3618 Elms Ct., Missouri City, TX 77459] *Stizostedion vitreum* x *S. canadense, Morone saxatilis* x *M. chrysops, Polyodon spathula, Ctenopharyngodon idella, Hypophthalmichthys molitrix,* and *H. nobilis.*

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[Dep. Agric., Univ. Arkansas, Pine Bluff 71601]

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[Lovell: Dep. Fish. & Allied Aquacult., Auburn Univ., Auburn, AL 36849]

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[Agric. Exp. Stn., VPI&SU, Blacksburg, VA 24061-0402] *Morone chrysops* x *M. saxatilis.*

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[Browman: Mar. Prod. Div., Recruitment & Trophic Relations Sect., Maurice-Lamontagne Inst., Fish. & Oceans Canada, P.O. Box 1000, Mont-Joli, PQ, Canada G5H 3Z4] *Oncorhynchus mykiss* and *Lepomis gibbosus.*

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[Fauna Conserv. & Ecol. Sect., DPI For. Serv., 80 Meiers Rd., Indooroopilly, Qld. 4068, Australia] Data for 12 species.

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[Environ. Res. Lab., U.S. Environ. Prot. Agency, One Sabine Dr., Sabine Island, Gulf Breeze, FL 32561-3999] *Menidia beryllina.*

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[Environ. Res. Lab., U.S. Environ. Prot. Agency, One Sabine Island Dr., Gulf Breeze, FL 32561-3999] *Menidia beryllina.*

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[Dep. Analytical Chem., Food Sci. & Toxicol., Univ. La Laguna, 38071-La Laguna, Spain] *Boops boops, Scomber japonicus,* and *Sardina pilchardus.*

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[Finnish Game & Fish. Res. Inst., Evo State Fish. & Aquacult. Res. Stn., FIN-16970 Evo, Finland] Data for 13 species.

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[Seltenrich: Pac. Gas & Electric Co., 3400 Crow Canyon Rd., San Ramon, CA 94583]

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[Dep. Biol. Fundamental, Fac. Biol., Univ. Santiago de Compostela, Spain] *Platichthys flesus, Salmo trutta, Anguilla anguilla, Gasterosteus aculeatus,* and data for four other species.

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[Dep. Fish. & Oceans, Bayfield Inst., Canada Cent. Inland Waters, Burlington, ON, Canada L7R 4A6]

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[Farrell: Dep. Biol. Sci., Simon Fraser Univ., Burnaby, BC, Canada V5A 1S6] *Oncorhynchus kisutch, O. tshawytscha,* and *O. mykiss.*

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[Inst. Biochem. & Molekularbiol., Freie Univ. Berlin, Ehrenbergstr. 26-28, 14195 Berlin, Germany]

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[Lab. Ecotoxicol., Dep. Anim. Biol., Univ. Valencia, Dr. Moliner 50, E-46100 Burjasot, Valencia, Spain] *Anguilla anguilla.*

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[Res. Inst. Toxicol., Environ. Toxicol. Sect., Univ. Utrecht, P.O. Box 80176, NL-3508 TD Utrecht, Netherlands] *Oncorhynchus mykiss.*

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94-004143 Wissmar, Robert; Cindy Halbert; Jim Chu and Jim Doyle. SKAGIT WILD AND SCENIC RIVER: MANAGEMENT STATUS AND ISSUES. *Riparian Management: Common Threads and Shared Interests, A Western Regional Conference on River Management Strategies, February 4-6, 1993, Albuquerque, New Mexico. U.S. For. Serv. Gen. Tech. Rep.* RM-226. p. 373-387. 1993. FR 39(2)
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[Harbor Branch Oceanogr. Inst., 5600 N. U.S. Hwy. 1, Fort Pierce, FL 34946]

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[CARICOM Fish. Resour. Assessment & Manage. Program, c/o Bellairs Res. Inst., St. James, Barbados]

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[School Fish., WH-10, Univ. Wash., Seattle 98195]

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94-004183 Caddy, J. F. SOME FUTURE PERSPECTIVES FOR ASSESSMENT AND MANAGEMENT OF MEDITERRANEAN FISHERIES. *Sci. Mar.* 57(2-3):121-130. 1993. In English with Spanish summ. FR 39(2)
[Mar. Resour. Serv., Fish. Resour. & Environ. Div., FAO, Viale delle Terme Caracalla, 00100 Roma, Italy]

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[Coll. William & Mary, Inst. Mar. Sci., Gloucester Point, VA 23062] *Scomberomorus maculatus*.

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[Lab. Ichtyoecol. Trop. Mediterraneenne, Ecole pratique Hautes Etudes, URA CNRS 1453, Univ. Perpignan, F-66860 Perpignan Cedex, France]

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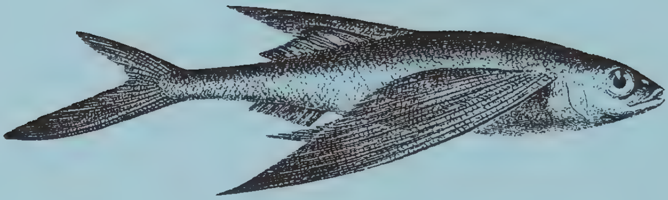

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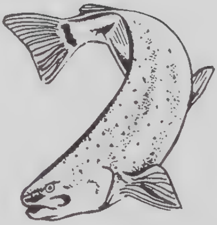

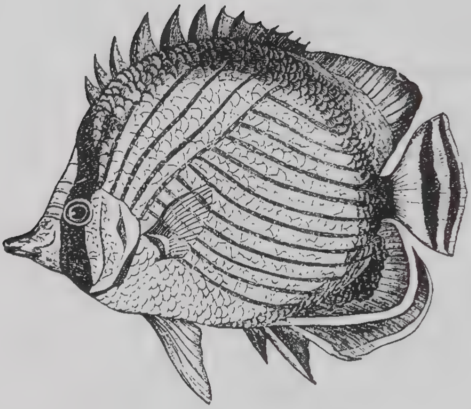

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BOOK REVIEW

Durrenberger, E. Paul. 1992. *It's All Politics: South Alabama's Seafood Industry.* University of Illinois Press, 54 E. Gregory Dr., Champaign, IL 61820. xvi + 216 pp. Available from the publisher at $34.95 (cloth).

That public resource management is severely influenced by politics should come as no surprise to fishermen, managers, or politicians. Public trust resources (a term not found in this book), after all, belong to the people and the public ultimately decides through the political system how these resources are used or conserved. This book documents the ebb and flow of political tides as they have washed over Alabama's seafood industry from the 1800s to the present.

The author divides the history of Alabama's fishing industry into three periods: 1819 to 1915–the period of preservation with ice and distribution by railroad; 1915 to 1950–the period of industrial canning; and 1950 to 1989–the period of industrial shrimping and freezing. Each period is documented chronologically in chapters of 30 to 50 pages. Occasionally the time line of history is jumbled by comments that pertain to earlier or later dates, but not enough to mar the narrative flow. The three preliminary chapters provide a useful glimpse into the past for anyone interested in the development of the Alabama seafood industry.

The last two chapters deal with the role of science and the politics of resource management. The tone is set for the remainder of the book with the statement, "Since science has become the foundation of policy, science itself has become political." While it would be naive to deny that science is ever political, it would be more correct to say that various interest groups have selectively used (or purposely misrepresented) scientific findings to bolster their positions. The theme on politicization of science continues to the end of the book; examples are drawn from water quality issues, the Endangered Species Act and the ongoing tension between recreational and commercial fishermen. As the author points out, the resolution of these issues has rarely favored the fishing industry.

One troublesome aspect of the book is the almost complete reliance on newspaper reports–and much of that from a single newspaper. The author defends these sources as "less biased" and as providing "social and political content." This may be true, but newspaper articles rarely show any in-depth understanding of an issue and are often factually wrong, particularly in the area of resource management. Those with firsthand knowledge of some of the examples cited by the author will find his case weakened by the newspaper sources. Others will not notice.

Despite the source drawback, I recommend the book for its historical coverage of Gulf Coast fisheries, with particular reference to Alabama, as well as its provocative discussion of science and resource management. Scientists and managers alike can benefit from this anthropological view of the regulatory process.–Richard K. Wallace, Auburn University Marine Extension and Research Center, 4170 Commanders Drive, Mobile, AL 36615.

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FISHERIES BOOKS RECEIVED

Techniques for Wildlife Habitat Management of Wetlands, by Neil F. Payne. 1992. McGraw-Hill, Inc., 1221 Avenue of the Americas, New York, NY 10020. xxii + 549 p. $80.00 (cloth), $29.95 (paper).–A textbook and reference manual, fully illustrated and documented, of the philosophy and techniques of wetlands restoration and management. Much application to fishes and fisheries, many "how-to" sketches.

Biological Diversity of Mexico: Origins and Distribution, edited by T. P. Ramamoorthy, Robert Bye, Antonio Lot, and John Fa. 1993. Oxford University Press, 200 Madison Ave., New York, NY 10016. xxxix + 812 p. $79.95 (cloth).–Proceedings of the 1988 symposium; biogeography and diversity reviewed in 26 chapters by 42 specialists. Five chapters on vertebrates, including one on freshwater and marine fishes.

Living Waters: How to Save Your Local Stream, by Owen D. Owens. 1993. Rutgers University Press, 109 Church St., New Brunswick, NJ 08901. xv + 245 p., 8 pl. $35.00 (cloth), $14.95 (paper).–A highly readable recounting of a restoration project in Pennsylvania by a chapter of Trout Unlimited. As much a primer on group management, creative diplomacy, and laymen's legal procedure as on stream improvement.

Wetlands in Danger: A World Conservation Atlas, edited by Patrick Dugan. 1993. Oxford University Press. 192 p. $35.00 (cloth).–A lavishly illustrated volume produced in cooperation with IUCN. Centers on 19 color-coded area maps; details water bodies and wetlands of the world, their important fishes, wildlife, peoples, parks, pressures, and programs.

Veterinary Zootoxicology, by Murray E. Fowler. 1993. CRC Press, Inc., 2000 Corporate Blvd., N.W., Boca Raton, FL 33431. xi + 250 p. $87.00 (cloth).–A reference book, mainly on clinical signs and treatment of poisoning and envenomation in domestic animals. Snakes and snakebite dominate; sections also on poisonous and venomous arthropods, fishes, toads, lizards, and (briefly) platypus and shrews.

Water in Crisis: A Guide to the World's Fresh Water Resources, edited by Peter H. Gleick. 1993. Oxford University Press. xxiv + 473 p. $55.00 (cloth), $29.95 (paper).–More than 200 tables of data on water bodies, wetlands, land use, water demand, and related projections. Eight essays by leading specialists include Alan Covich's "Water and Ecosystems," which offers biotic, ecologic, and fisheries-related perspective.

Webs and Scales: Physical and Ecological Processes in Marine Fish Recruitment, by Michael M. Mullin. 1994. University of Washington Press, P.O. Box 50096, Seattle, WA 98145-5096. xi + 135 p. $25.00 (cloth) and $15.00 (paper).–"Scales" refers to space-time ranges and to larval fish ecology. A perspective on variability and interaction in marine pelagic populations and communities.

Reef Fish Identification–Galapagos, by Paul Humann. 1994. New World Publications, Inc., 1861 Cornell Rd., Jacksonville, FL 32207. 203 p. $34.95 (comb-bound paper).–A vividly illustrated guide to nearly 200 species, most photographed by the author. Intended for divers, many observations on habitat and behavior. Identifications reviewed by ichthyologists; English and Spanish common names listed.

Veterinary Clinical Parasitology (Sixth Edition), by Margaret W. Sloss, Russell L. Kemp, and Anne M. Zajac. 1994. Iowa State University Press, 2121 S. State Ave., Ames, IA 50014-8300. x + 198 p. $37.95 (comb-bound paper).–An 11-page chapter, "Parasites of Fish," by Stephen A. Smith; a brief, well illustrated survey of clinical signs and diagnostic methods for the general veterinarian.

Global Marine Biological Diversity: A Strategy for Building Conservation Into Decision Making, edited by Elliott A. Norse. 1994. Island Press, 1718 Connecticut Ave., NW, Suite 300, Washington, DC 20009. xxxii + 383 p. $50.00 (cloth), $27.50 (paper).–Intermeshes data on risk assessment, endemism, biodiversity, and marine preserves with documentation on disturbances and world trends.

Birds and Other Wildlife of South Central Texas: A Handbook, by Edward A. Kutac and S. Christopher Caran. 1994. University of Texas Press, P.O. Box 7819, Austin, TX 78713. xiii + 203 p. $30.00 (cloth), $14.95 (paper).–Geology and ecology of the upper coastal plain and Edwards Plateau; details on biota in a 19-county area centering on Austin; 130 fish species discussed in a chapter by Caran and Clark Hubbs.

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